

WETLAND MAPPING CONSORTIUM

Recent Updates to the EnviroAtlas Tool: Mapping Ecosystem Goods and Services

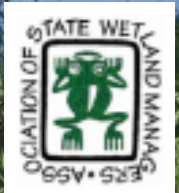
Anne Neale

U.S. Environmental Protection Agency

**U.S. Fish &
Wildlife Service**



Hosted by the Association of State Wetland Managers
Supported by the U.S. Fish & Wildlife Service





If you have any technical difficulties during the webinar you can send us a question in the webinar question box or call Laura at (207) 892-3399 during the webinar.

AGENDA



- **Welcome and Introductions (5 minutes)**
- **WMC Webinar Recordings/Schedule (5 minutes)**
- **Recent Updates to the EnviroAtlas Tool: Mapping Ecosystem Goods and Services (30 minutes)**
- **Question & Answer (15 minutes)**
- **Wrap up (5 minutes)**

ASWM WEBINAR SERIES MODERATOR

Marla Stelk,
Policy Analyst

Association of State
Wetland Managers



PRESENTER



Anne Neale
U.S. Environmental Protection Agency

WETLANDS ONE-STOP MAPPING

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WETLANDS ONE-STOP MAPPING

The Association of State Wetland Managers in collaboration with Virginia Tech's Conservation Management Institute (CMI) and the U.S. Fish and Wildlife Service's Northeast Region created Wetlands One-Stop Mapping to provide easy online access to geospatial data on wetlands and soils produced by federal and state agencies. The U.S. Fish and Wildlife Service (FWS), through its National Wetland Inventory

produced wetland geospatial data for most of the country. While different agencies post data on their own sites, there is not a single place to go for these data. Wetlands One-Stop Mapping provides links to these and other websites. It provides online access to classification tools for adding hydrogeomorphic-type to wetland inventory data and the results of NWI+ projects (maps and reports). The geospatial information is linked to aerial imagery (and topographic maps) through ESRI's ArcGIS (including ArcGIS Explorer) for easy viewing of wetlands, their characteristics, and functions for areas where NWI+ data are available.

The website also provides links to other federal and state websites that contain information on wetlands and geospatial wetland data. Among the national datasets accessible via Wetlands One-Stop Mapping are the NWI's wetlands mapper, USDA's web soil survey, USGS's national hydrography data and hydrologic units (HUCs). Links are also provided to NatureServe Explorer and the U.S. National Vegetation Classification Hierarchy Explorer along with guidance on how to extract descriptions of wetland plant communities from those sites for specific areas of interest.



Wetlands One-Stop Mapping Links by Subject

NWI

- National Wetlands Inventory (NWI)
- FWS Wetlands Mapper
- Wetland Primer
- Federal Standards & Funding for Wetland Mapping
- National Data Sets & Information

NWI+

- NWI+ Data & Information
- LLWW Classification
- NWI+ Data Layers
- NWI+ Mapper
- NWI+ Reports

States

- State Wetland Mapping Summaries
- State Wetland Program Websites & Data

Training

- Wetland Mapping Training

Reports and Publications

- Reports & Publications
- Other Mapping & Wetland Resources

Other Resources

- Wetland Plant Community Information
- Wetland Mapping Consortium
- Wetland Classification Image Gallery

What is NWI+?

NWI+ was a regional initiative by the Northeast Region of the U.S. NWI+ Fish and Wildlife Service's NWI Program. It was supported by the NWI through regional mapping projects funded by the U.S. Fish and Wildlife Service and federal and state cooperators from the mid-1990s to 2015. It began as a regional demonstration initiative in how NWI data could be enhanced with hydrogeomorphic attributes for landscape position, landform, water flow path, and waterbody type (LLWW descriptors) to increase the functionality of NWI data for better characterizing wetlands, for predicting wetland functions at the landscape or watershed level, and for assessing the impact of wetland changes on wetland functions. The expanded database and its outputs were called NWI+ data as the results go beyond the standard NWI mapping. Production of NWI+ data was a special project of the NWI with work mostly in the Northeast Region but also undertaken by some states (e.g., Colorado, Georgia, Montana, and New Mexico) in other Regions when they were updating NWI data. While the demonstration was successful and NWI+ or similar data continue to be generated by several states, the national NWI Program (the U.S. Fish and Wildlife Service) is no longer able to support NWI+ initiatives. Moreover budget cuts for the program have made the NWI+ NWI more dependent than ever on having cooperators update even the basic NWI database.

Wetlands One-Stop Mapping Links by Subject

NWI

- National Wetlands Inventory (NWI)
- FWS Wetlands Mapper
- Wetland Primer
- Federal Standards & Funding for Wetland Mapping
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NWI+

- NWI+ Data & Information
- LLWW Classification
- NWI+ Data Layers
- NWI+ Mapper
- NWI+ Reports

States

- State Wetland Mapping Summaries
- State Wetland Program Websites & Data

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- Wetland Mapping Training

Reports and Publications



- Reports & Publications
- Other Mapping & Wetland Resources

Other Resources

- Wetland Plant Community Information
- Wetland Mapping Consortium
- Wetland Classification Image Gallery

WETLAND MAPPING TRAINING WEBPAGE

Association of State Wetland Managers - Protecting the Nation's Wetlands.



ASWM Upcoming Webinars

- **Wetlands & Nutrient Uptake in Agricultural Settings** - 1/27/16
- **Changes in the FGDC Wetlands Classification Standard - Cowardin 2.0** - 1/28/16
- **Evaluating the Ecological Performance of Compensatory Mitigation** - 2/2/16

For a complete list of ASWM webinars, [click here](#).

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Wetland Mapping Training




U.S. Fish & Wildlife Service

The Fish and Wildlife Service's National Wetlands Inventory (NWI) is pleased to announce the availability of initial modules of an online Wetland Mapping Training course. NWI is providing the training to encourage and enable mapping partnerships with other organizations in order to increase the amount of current, modernized wetlands geospatial data available to all users. The training is geared towards image interpreters already skilled in GIS, who may need special training for mapping wetlands, to learn how to interpret and classify wetlands, apply the new standards and requirements, or learn tips and tricks (coming soon) to make the mapping more efficient. The training is designed to implement the new Wetlands Mapping Standard and ensure the quality of the data – and training is an effective way to make sure the data are collected accurately from the beginning. Currently only three modules are available, two technical modules are coming soon, and three additional modules on related topics are planned. NWI will continue to provide in-person training to partnering organizations as needed, as well as data verification tools, guidance, and quality control of the data before it becomes part of the NWI layer of the National Spatial Data Infrastructure. To review or take the training, [click here](#).

The training is evolving as we receive feedback. If you want to be part of the process, send comments to FW9_Wetlands@fws.gov. This training was developed in cooperation with the Association of State Wetland Managers, supported by EPA and the FGDC.

Training Webinars

Mapping Standards & Requirements – Rusty Griffin, U.S. Fish & Wildlife Service (10/15/14)



Part 1: Introduction - Marla Stelk, Policy Analyst, ASWM
Presenter: Rusty Griffin, U.S. Fish & Wildlife Service

Part 2: Presenter: Rusty Griffin, U.S. Fish & Wildlife Service

Part 3: Questions

WEBINAR SCHEDULE/RECORDINGS

Association of State Wetland Managers - Protecting the Nation's Wetlands.



ASWM Upcoming Webinars

- **The Florida Wetlands Integrity Dataset: Part 2** - September 16, 2015
- **Solar Project Siting and Wetland Permitting** - September 29, 2015
- **Wetland Restoration in Urban and Highly Disturbed Landscapes** - October 13, 2015

For a complete list of ASWM webinars, [click here.](#)

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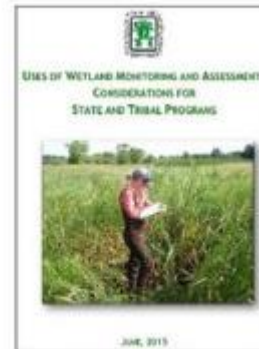
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ASWM Publications

Wetland Monitoring and Assessment in Wetland Programs

The Association of State Wetland Managers (ASWM) has released a new report - **Wetland Monitoring and Assessment: Considerations for State and Tribal Wetland Programs**. This report - which was prepared with assistance from an EPA State Wetland Program Development Grant - explores the various ways that states and tribes could make better use of existing monitoring and assessment methods to obtain science-based answers to wetland management problems. While it provides an overview of many common approaches to wetland monitoring, the focus is primarily on **why** these methods are selected for a given purpose. This report encourages the thoughtful identification of the most appropriate and efficient methods in light of available financial and staff resources. It may be particularly useful to states or tribes that are developing or updating wetland monitoring and assessment strategies.

[Click here to read or download the report.](#)



Picture of the Week *Southward Bound*



Jeanne Christie Photo

For information about this picture and to see past pictures of the week [click here.](#)

ASWM RECENT PUBLICATIONS

- [Ecosystem Service](#)

WEBINAR SCHEDULE & RECORDINGS



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Wetland Mapping Consortium

ASWM Webinars/Conference Schedule

ASWM WEBINARS

The Association of State Wetland Managers hosts webinars on various topics, most of which relate to a specific project and work group. In addition, ASWM hosts webinars as part of its members' webinar series on topics of interest to members. Please click on the webinar group name below for more details about individual webinars. In all cases, if you have any questions about registering for a webinar, please contact Leanne at leanne@aswm.org.

If you haven't used Go To Webinars before or you just need a refresher, please view our guide prior to the webinar here.

The Association of State Wetland Managers (ASWM) and the Society of Wetland Scientists (SWS) share the common goal of encouraging sound science in wetland research, management, education, policy, and conservation. To meet this goal, the two organizations decided to form a partnership in 2018. ASWM is pleased to provide a link to SWS's new Member Webinar Series and encourage you to investigate their webinar series as well as our own.

For a full list of all available webinar recordings visit this link here.

Members' Wetland Webinar Series

For Members of ASWM Only

Hot Topics Webinar Series

Improving Wetland Restoration Success Project

Natural Floodplain Functions Alliance Webinar

Wetland Mapping Consortium Webinar (WMC)

DECEMBER 21, 2016 WEBINAR RECORDING AVAILABLE

Maps of Potential Wetland Extent for Selected Streams in Indiana



Kathleen Fowler
U.S. Geological Survey

WE INVITE YOU TO JOIN THE ASSOCIATION OF STATE WETLAND MANAGERS



Benefits of Membership (abbreviated):

- *Free Participation in our Members Only Wetland Webinar Series*
- *Exclusive access to Member's Webinar recordings*
- *Free Certificates of Attendance for all ASWM webinars**
- *Free Subscription to the Association's bi-monthly membership newsletter, Wetland News*
- *Free Subscription to the Association's weekly news bulletin, Insider's Edition*
- *Reduced Rates for Participation in ASWM Workshops and Training Sessions*
- *A Sense of Pride Knowing That You Have Directly Supported Active Wetland Conservation Efforts Nationwide*
- *Corporate group memberships (11-20+ people) also include logo placement on ASWM's website homepage with a live link*

*** Non-members will be charged \$25.00 for each Certificate of Attendance**

<http://www.aswm.org/join-aswm>

NEW PROCESS FOR RECEIVING CERTIFICATES OF ATTENDANCE (BETA TESTING)

ASWM Upcoming Webinars

- WMC Webinar Recent Updates to the EnviroAtlas Tool: Mapping Ecosystems Goods and Services - February 15, 2017
- Member Wetland Webinar: Working with Wetlands to Increase Resilience - February 22, 2017
- To watch previously recorded ASWM webinars, click here.
- For a complete list of our recorded webinars, click here.

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How to Receive a Certificate of Participation for the WMC February 15, 2017 Webinar

Using the ClassMarker online system, ASWM will ask you to certify that you participated in the entire **Wetland Mapping Consortium Webinar: Recent Updates to the EnviroAtlas Tool: Mapping Ecosystem Goods and Services** on Wednesday, February 15, 2017 from 3-5pm Eastern.

Once you are in ClassMarker, you will be prompted to provide your name and email address, which will be used to process your certificate.

Answering "yes" to the question about your participation will automatically qualify you to receive a certificate for your attendance. Answering "no" will result in no certificate being issued.

You will be prompted to **download** your Certificate of Participation from ClassMarker after you complete the quiz.

Once you download your certificate, you can then submit the certificate to the accrediting organization of your choice to potentially receive continuing education units/credits.

Please select the appropriate certificate process:

- **I am an ASWM Member:**
All ASWM members receive free Certificates of Participation for webinars. Non-Members will be charged a processing fee of \$25.00 US. To receive your free Certificate of Participation, click here.
- **I am not an ASWM Member:**
If you are not an ASWM member, please either:
 - A) Select the [non-member Certificate Option](#) to get your certificate. All non-ASWM Members are required to pay a \$25.00 certificate processing fee. You will be prompted to pay the processing fee using PayPal, with the option to sign in as either a PayPal member or as a guest (not requiring a PayPal account and using your credit card).
 - B) We encourage you to go to the [ASWM.org](#) website and **become a member** so that you can receive certificates at no charge for the next 12 months.

If you have any questions, please contact Laura Burchill at lauro@aswmv.org or contact the ASWM office at (207) 862-3366.

ClassMarker

WMC EnviroAtlas 2-15-17 Webinar ASWM Members Only Certificate

Start test

Resume

Create login details to start test

Register your details to ensure you can come back and log in and finish this test later if you wish.

Email address:

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Retype Password:

The link to this web page will be provided in the 'question box' of Go to Webinar and in a follow-up e-mail sent one hour after the webinar ends.

CERTIFICATE OF ATTENDANCE



WMC EnviroAtlas 2-15-17 Webinar ASWM Members Only Certificate

First name

Marla

Last name

Stelk

Email address

marla@aswm.org

Start Test ▶



WMC EnviroAtlas 2-15-17 Webinar ASWM Members Only Certificate

Instructions:

- Number of questions: **2**
- Has no time limit
- Will allow you to save and finish at a later date.
- Questions displayed per page: **1**
- Will allow you to go back and change your answers.
- Will not let you finish with any questions unattempted.
- Has a pass mark of: **100%**

Dear ASWM Webinar Participant,

Using the ClassMarker online system, ASWM will ask you to certify BOTH that you are a current ASWM member and that you participated in the entire ASWM Wetland Mapping Consortium live webinar: Recent Updates to the EnviroAtlas Tool: Mapping Ecosystem Goods and Services on Wednesday, February 15, 2017- from 3-5 pm Eastern.

You will be prompted to provide your name and email address, which will be used to process your certificate.

Answering "yes" to the question about your participation will automatically make you eligible you to receive a certificate for your attendance.

Answering "no" will result in no certificate being issued.

When prompted, please **DOWNLOAD YOUR CERTIFICATE** from the ClassMarker page.

Once you have downloaded your certificate, you can then submit the certificate to the accrediting organization of your choice to potentially receive continuing education units/credits.

Note: All ASWM members receive free Certificates of Participation for webinars, while non-Members will be charged a processing fee of \$25.00 US. If you are not an ASWM member, please either go to the ASWM.org website and become a member or select the Non-member certificate option on the webinar certificate page to pay the \$25.00 fee.

If you have any questions, please contact Laura Burchill at laura@aswm.org or contact the ASWM office at (207) 892-3399.

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CERTIFICATE OF ATTENDANCE



WMC EnviroAtlas 2-15-17 Webinar ASWM Members Only Certificate

Marla Stelk

Question 1 of 2

I certify that I hold a current membership with The Association of State Wetland Managers.

- Yes
- No

Next >

Save and finish later



WMC EnviroAtlas 2-15-17 Webinar ASWM Members Only Certificate

Marla Stelk

Question 2 of 2

I certify that I participated in the whole ASWM entire ASWM Wetland Mapping Consortium live webinar: Recent Updates to the EnviroAtlas Tool: Mapping Ecosystem Goods and Services on Wednesday, February 15, 2017- from 3-5 pm Eastern.

- Yes
- No


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NEW LOG IN AND PASSWORD FOR FUTURE CERTIFICATES OF ATTENDANCE WILL BE REQUIRED

ClassMarker 


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Title: WMC EnviroAtlas 2-15-17 Webinar ASWM Members Only Certificate
Points: 2 out of 2
Percentage: 100%
Duration: 00:01:16
Date started: Tue 14th Feb 2017 1:05pm
Date finished: Tue 14th Feb 2017 1:05pm

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Feedback

Thank you for participating in our webinar. You can now download your certificate from this site. If you have any questions, please contact laura@aswm.org or call the ASWM Office at (207) 892-3399.

 **Download Certificate**

✓ Correctly answered ✗ Incorrectly answered ➕ Missed correct multiple choice option

Question 1 of 2

I certify that I hold a current membership with The Association of State Wetland Managers.

Correct answer: A)
You chose: A)

✓ A) Yes
B) No

Points: 1 out of 1

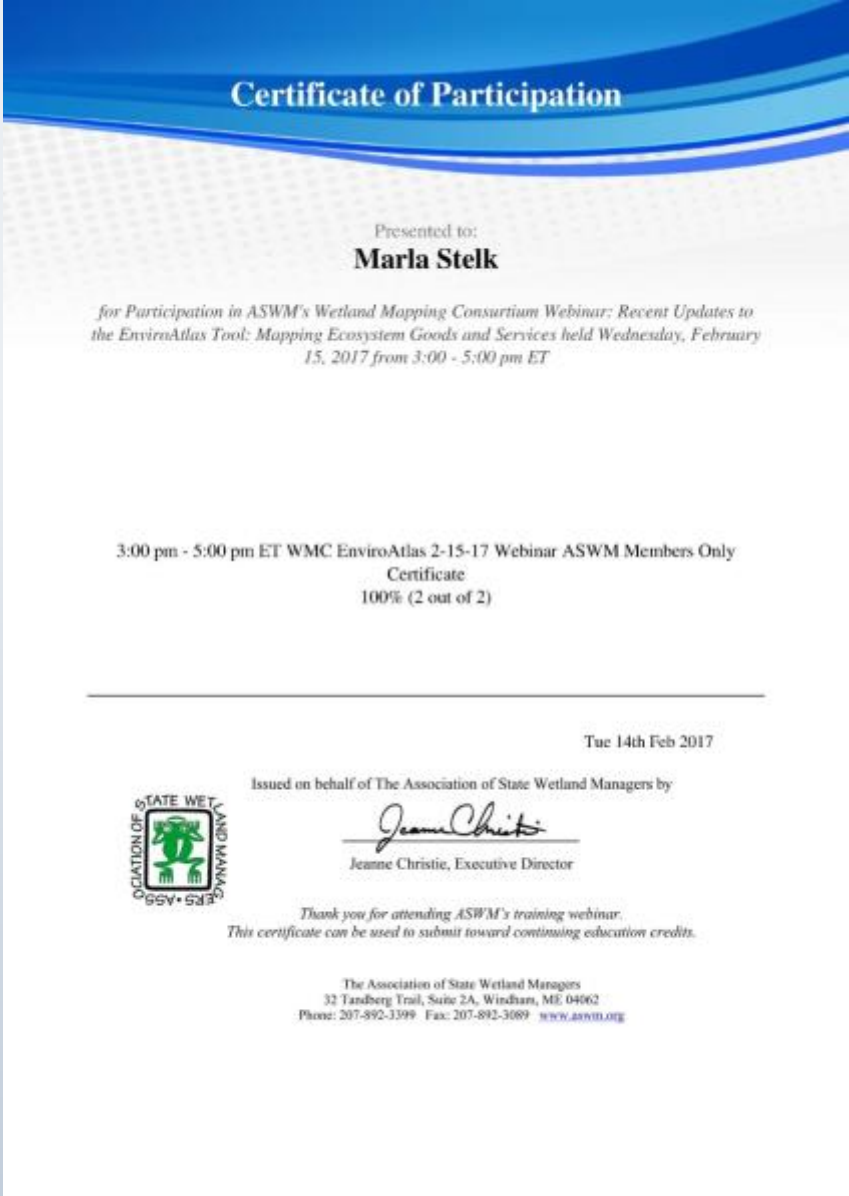
Question 2 of 2

I certify that I participated in the whole ASWM entire ASWM Wetland Mapping Consortium live webinar: Recent Updates to the EnviroAtlas Tool: Mapping Ecosystem Goods and Services on Wednesday, February 15, 2017- from 3-5 pm Eastern.

Correct answer: A)
You chose: A)

✓ A) Yes
B) No

Points: 1 out of 1



Certificate of Participation

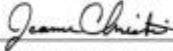
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Marla Stelk


for Participation in ASWM's Wetland Mapping Consortium Webinar: Recent Updates to the EnviroAtlas Tool: Mapping Ecosystem Goods and Services held Wednesday, February 15, 2017 from 3:00 - 5:00 pm ET

3:00 pm - 5:00 pm ET WMC EnviroAtlas 2-15-17 Webinar ASWM Members Only Certificate
100% (2 out of 2)

Tue 14th Feb 2017

Issued on behalf of The Association of State Wetland Managers by


Jeanne Christie, Executive Director



*Thank you for attending ASWM's training webinar.
This certificate can be used to submit toward continuing education credits.*

The Association of State Wetland Managers
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Recent Updates to the EnviroAtlas Tool: Mapping Ecosystem Goods and Services

It Will Take Us A Few Moments To Make The Switch....



Questions?

Anne Neale, U.S. Environmental Protection Agency
neale.anne@epa.gov

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*Thank you for your
participation!*



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